

U.S. NAVY RADIOGRAPHY PROGRAMS OVERVIEW

***Imaging in
support of
wellness and
medical
readiness...***



HM-8451 Basic Radiography Program



- Basic radiographers operate fixed/mobile medical x-ray equipment in CONUS/ OCONUS hospitals, clinics, onboard some ships and in the field with the Fleet Marine Forces to perform select radiologic exams and process the images acquired.

HM-8451 Basic Radiography Program



- The images a Basic Radiographer produces yield vital diagnostic information for physicians and other providers in support of quality patient care and treatment.
- Basic radiographers also perform clerical tasks in support of imaging procedures and must remain attentive to radiation protection for themselves and patients.

HM-8451 Basic Radiography Program



The primary focus of the program is on the acquisition of skills to independently produce quality radiographs of the bony skeleton, abdomen and thorax.

HM-8451 Basic Radiography Program Curriculum

- Students receive didactic instruction in:
 - Radiologic Science
 - Radiation Safety
 - Darkroom Procedures
 - Radiographic Anatomy and Positioning
- Students will also complete a clinical rotation in the Radiology Department, Naval Medical Center San Diego and/or local Branch Clinics.

HM-8451 Basic Radiography Program

- Course length: 12 weeks
- Frequency: 7 classes per fiscal year (for convening dates, log onto CANTRAC website,
<https://wwwcfs.cnet.navy.mil/cantrac/login.cfm>
search for Course B-313-0025 and click on "SCHEDULE")
- Location: Naval School of Health Sciences, San Diego, California

HM-8451 Basic Radiography Program Requirements

- Selected Navy Corpsmen, E-1 through E-4
- HM "A" School graduate or USCG equivalent
- Ionizing Radiation physical exam
- Obligated service of 36 months
- Worldwide assignability
- Refer to CANTRAC for more specifics

HM-8451 Basic Radiographer PCS Assignments

■ Graduates are worldwide assignable to:

Afloat Platforms: LPDs, LSDs, CGNs, Oilers, Tenders and Flagships

Fleet Marine Force: 1st, 2nd and 3rd Force Service Support Groups (FSSG) and Marine Air Wings (MAW)

Mobile Construction Battalions (SeaBees)

Shore: Overseas and CONUS Naval Medical Centers, Naval Hospitals, Branch Clinics, and some Military Entrance Processing Stations (MEPS)

HM-8451 Basic Radiographer Other Considerations



Afloat leadership opportunities are available to some junior HMs

- Digital imaging systems are quickly becoming the standard; the Navy is much further ahead with this technology than the civilian community
- The HM-8452 NEC is considered the next career step for HM-8451s
- Some states (CA; VA) provide civilian certification to graduates as limited license radiographers

HM-8452 Advanced Radiograph Program



- Advanced radiographers possess all the skills of Basic radiographers, but have a much more expanded role in the acquisition and processing of diagnostic images with advanced technology and are more often assigned to major Medical Treatment Facilities (MTF).

HM-8452 Advanced Radiography Program



- HM-8452s work with state-of-the-art imaging equipment, Teleradiology and Picture Archiving and Communication Systems (PACS) in specialized modalities such as Angiography (above), Computed Tomography (CT), Magnetic Resonance (MR), Mammography, Fluoroscopy and Ultrasound.

HM-8452 Advanced Radiography Program



- HM-8452s are eligible for certification as imaging specialists by state governments and American Registry of Radiologic Technologists (ARRT).
- Medical imaging is a dynamic field that is becoming more technology driven, which creates abundant opportunities for technologists.

HM-8452 Advanced Radiography Program



The program focus is on teaching the versatility and critical thinking skills required to independently function in a variety of situations and with many imaging modalities.



HM-8452 Advanced Radiography Program

This program is the only one of its length in the nation that is fully and independently accredited by the Joint Commission on Education in Radiologic Technology (JRCERT) and is comparable to 2-year Associate programs.

HM-8452 Advanced Radiography Program Curriculum

- Students receive didactic instruction in:
 - Math, Radiologic Physics, Biology, Pathology, Administration and Radiographic Exposure
 - Radiation Protection, Quality Assurance, Computer Literacy and Medical Ethics
 - Film Processing, Imaging Equipment and Patient Care
 - Radiographic Anatomy and Procedures
- Students will also complete a 6-month plus clinical rotation in the Radiology Department, Naval Medical Center San Diego.

HM-8452 Advanced Radiography Program

- Course length: 52 weeks
- Frequency: 4 classes per fiscal year, 2 at each site (for convening dates, log onto CANTRAC website, search for Course B-313-0026 and click on "SCHEDULE")
<https://wwwcfs.cnet.navy.mil/cantrac/login.cfm>
- Location: Naval School of Health Sciences, San Diego and Portsmouth, Virginia

HM-8452 Advanced Radiography Program Requirements

- Same as those for HM-8451 program except as follows:
- Selected Navy Corpsmen, E-3 through E-5 possessing HM-8451 NEC
 - Obligated service of 36 months from graduation
 - Serve as an HM-8451 for 2 years
 - Refer to CANTRAC for more specifics

HM-8452 Advanced Radiographer PCS Assignments

- Graduates are worldwide assignable to:
 - Afloat Platforms:, CVs, CVNs, LHAs, LHDs, T-AHs
 - Fleet Marine Force: 1st, 2nd and 3rd Force Service Support Groups (FSSG)
 - Shore: Overseas and CONUS Naval Medical Centers, Naval Hospitals, Branch Clinics, Naval Schools of Health Sciences (as Radiography Instructors) and some Military Entrance Processing Stations (MEPS)

HM-8452 Advanced Radiographer Other Considerations



- Promotion opportunities to E-6 competitive with other HMs
- Current Zone B SRB of 1.0
- Opportunity to earn up to 60 college credits through Navy Campus
- With national/state certifications, especially in multiple modalities, skill sets are directly transferable to civilian sector where a nationwide shortage of technologists exists

U.S. NAVY RADIOGRAPHY PROGRAMS OVERVIEW

**HMC (FMF) Richard S.
Angulo Enlisted Technical
Leader HM-8451/8452
Radiographers DSN 522-
8669; (619) 532-8669
rsangulo@nmcsd.med.navy
.mil**

